

# Notice of Allowability

Application No.

09/518,551

Examiner

Justin I. King

Applicant(s)

GNANASIVAM ET AL.

Art Unit

2111

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 8/9/04.
2. ☒ The allowed claim(s) is/are 2-6,10,24,25 and 28-30.
3. ☒ The drawings filed on 03 March 2002 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 20040916.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

MARK H. RINEHART  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100



## DETAILED ACTION

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Applicant's representative Michael Ananian on 9/16/04.

2. Authorization to charge to Deposit Account 50-2319 for extension of two months was given in a telephone interview with Applicant's representative Michael Ananian on 9/20/04.

3. The application has been amended as follows:

**Referring to claim 4:** The method of claim ~~28~~ 4, wherein the first and second reservation tables each cross-reference logical devices with a reserving SCSI device.

**Referring to claim 30:** A computer program product for use in conjunction with a computer system, the computer program product comprising a computer readable storage medium and a computer program mechanism embedded therein, the computer program mechanism, comprising:

a program module that manages access to a logical I/O device in said computer system, the program module including instructions for:

Art Unit: 2111

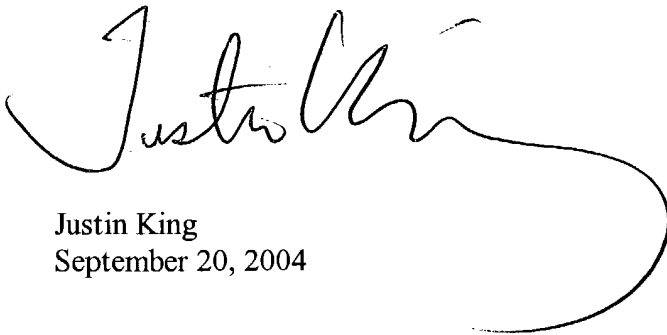
receiving on said a first controller a request to reserve said logical I/O device;  
updating the a first reservation table to reflect reservation of the logical I/O device;  
communicating by means of said a bus from said first to said a second controller a  
reservation request for said logical I/O device for updating by said second controller of said a  
second reservation table, in response to said receiving;

receiving a response to said communicated reservation request;

aborting the method program module for managing access when said response indicates  
failure to reserve and said first controller is subordinate to said second controller;

otherwise, delaying and communicating again a ~~reservation~~ request to reserve for said  
logical I/O device when said response indicates failure to reserve and said first controller is  
dominant to said second controller; and

otherwise, responding, indicating success, to said received reservation request.



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September 20, 2004

Art Unit: 2111

***Allowable Subject Matter***

4. Claims 2-6, 10, 24-25, and 28-30 are allowed.
5. The following is a statement of reasons of allowable subject matter:

Referring to claims 4, 10, and 30: The prior art on record does not explicitly disclose any computer share-resource management including the steps in claims 4, 10, and 30, which are receiving the response to the communicated reservation request; aborting the method for managing access when said response indicates failure to reserve and said first controller is subordinate to said second controller; otherwise, delaying and communicating again a reservation request for said logical I/O device when said response indicates failure to reserve and said first controller is dominant to said second controller; and otherwise, responding, indicating success, to said received reservation request.

Claims 2-3, 5-6, 24-25, and 28-29 are allowable because they incorporate the parent claims' allowable subject matter.

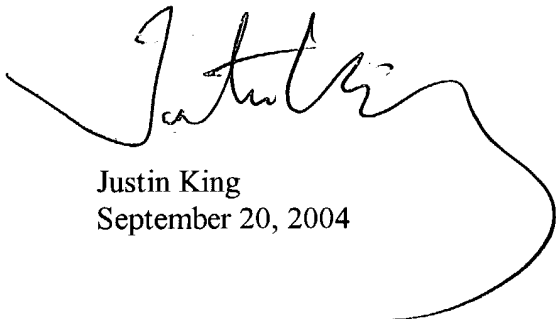
Art Unit: 2111

***Conclusion***

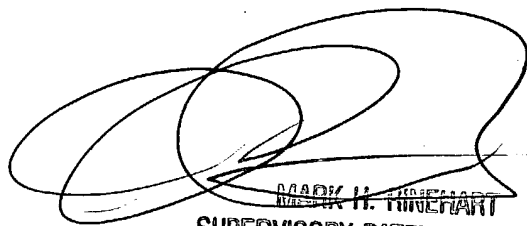
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Justin I. King whose telephone number is 703-305-4571. The examiner can normally be reached on Monday through Friday, 9:00 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Rinehart can be reached on 703-308-3110. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-306-5631.



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September 20, 2004



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